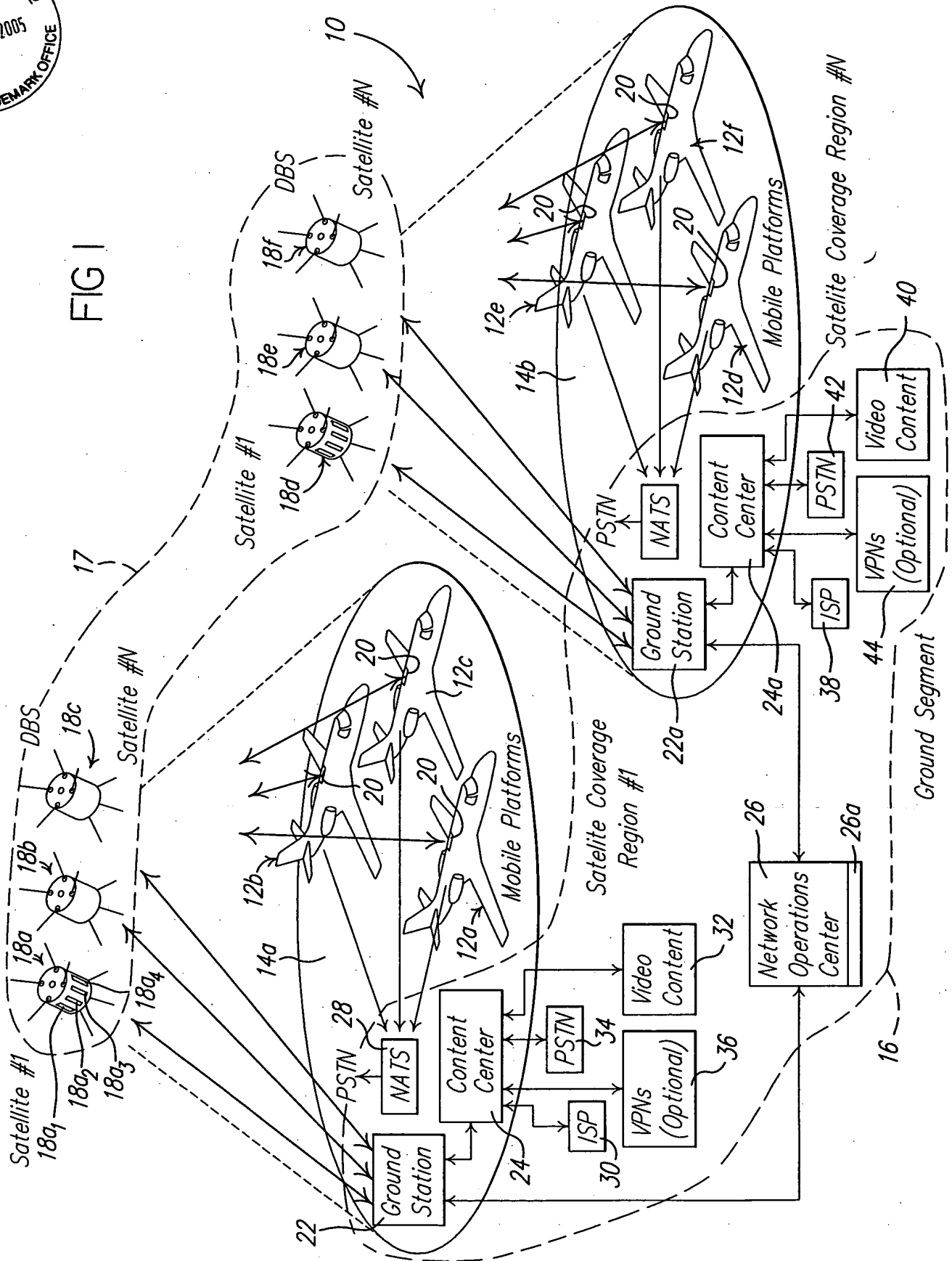
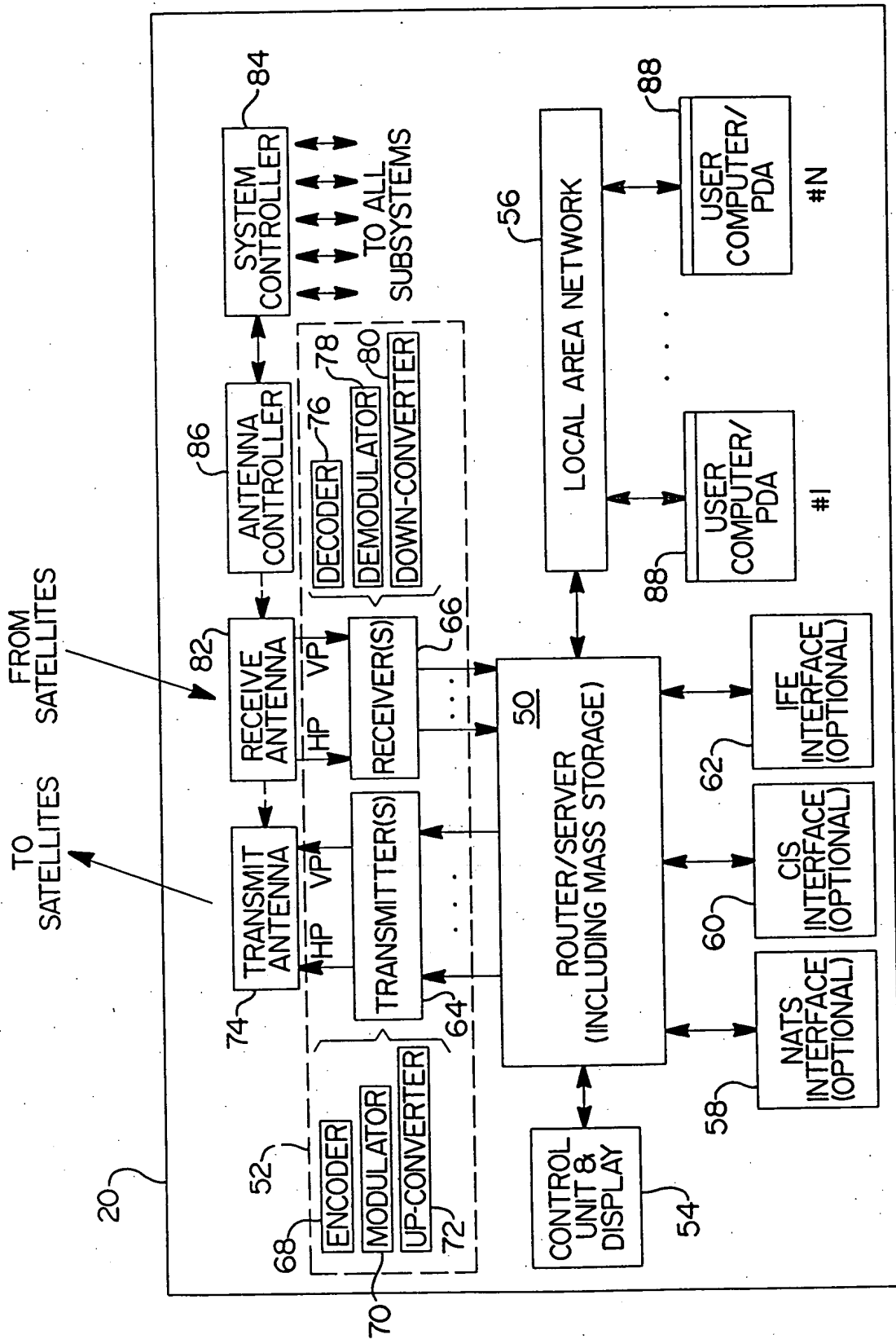




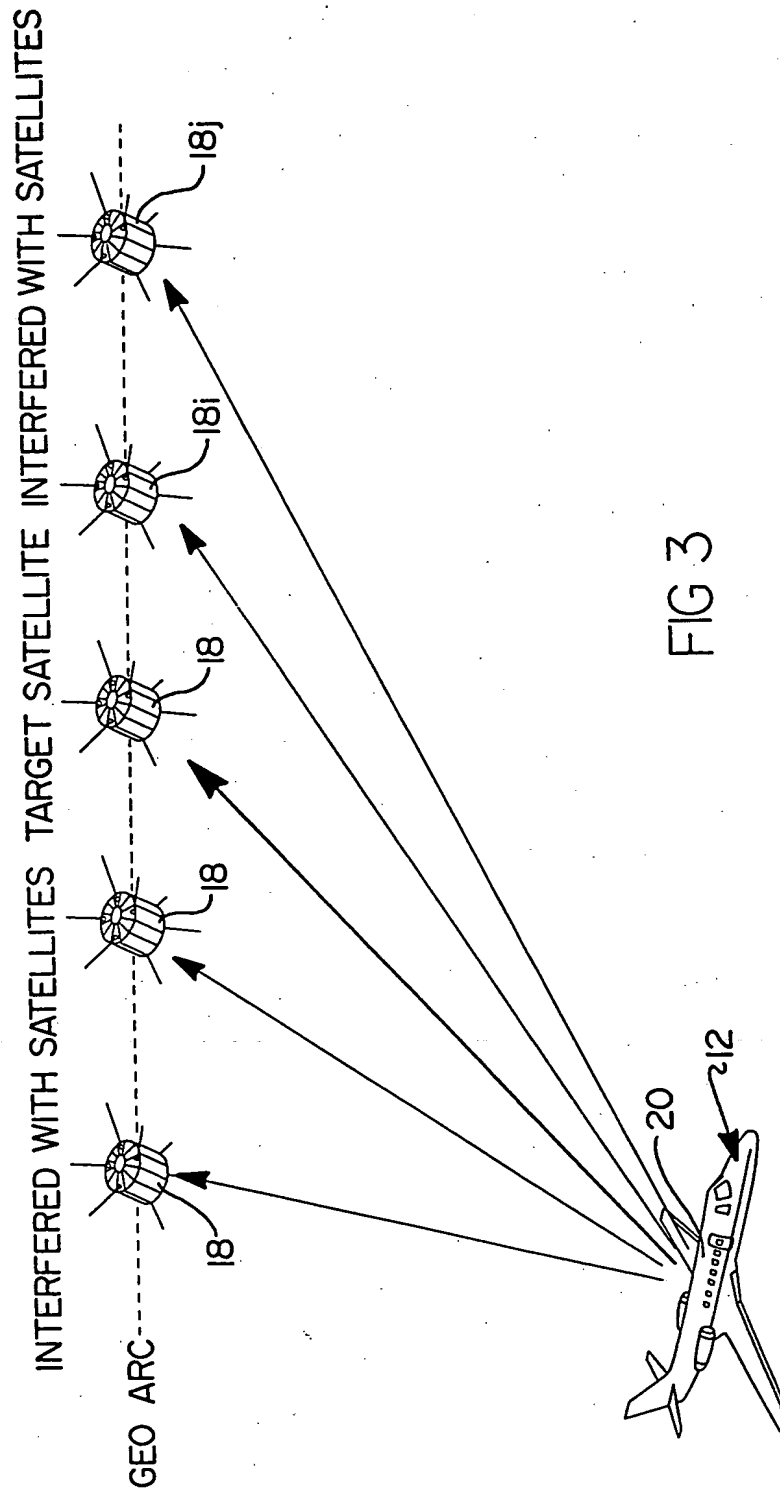
FIG 1





MOBILE SYSTEM (ONE PER PLATFORM)

FIG 2



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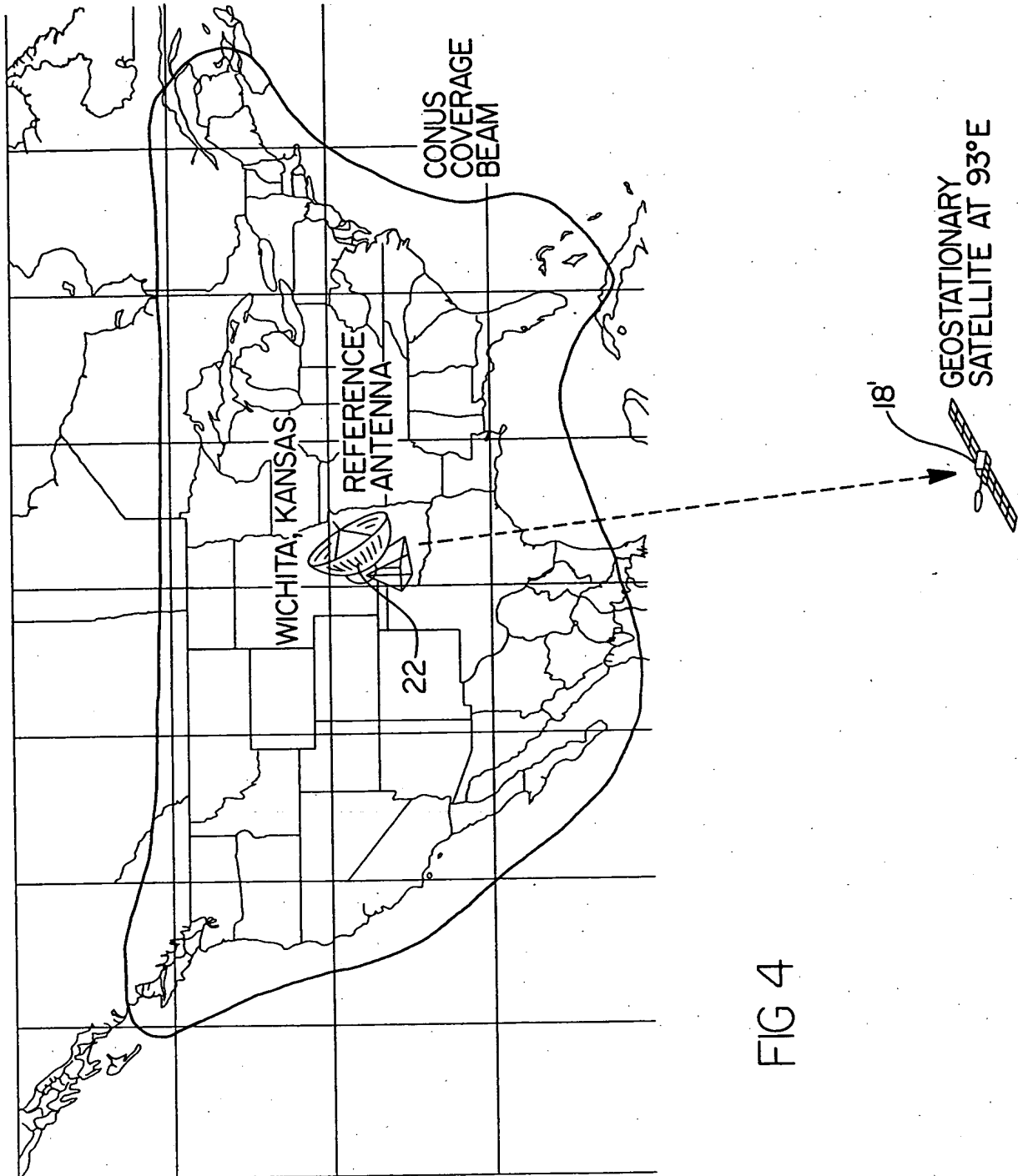


FIG 4

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FIG 5

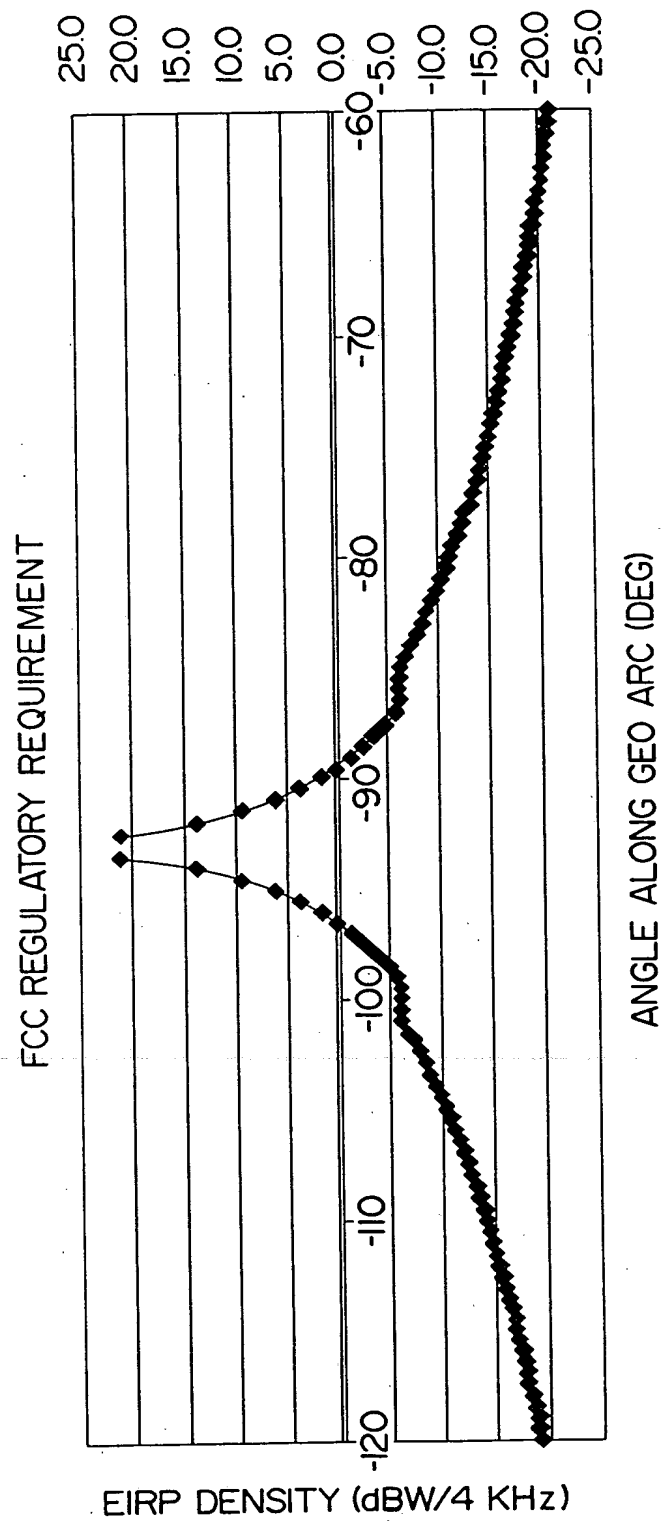
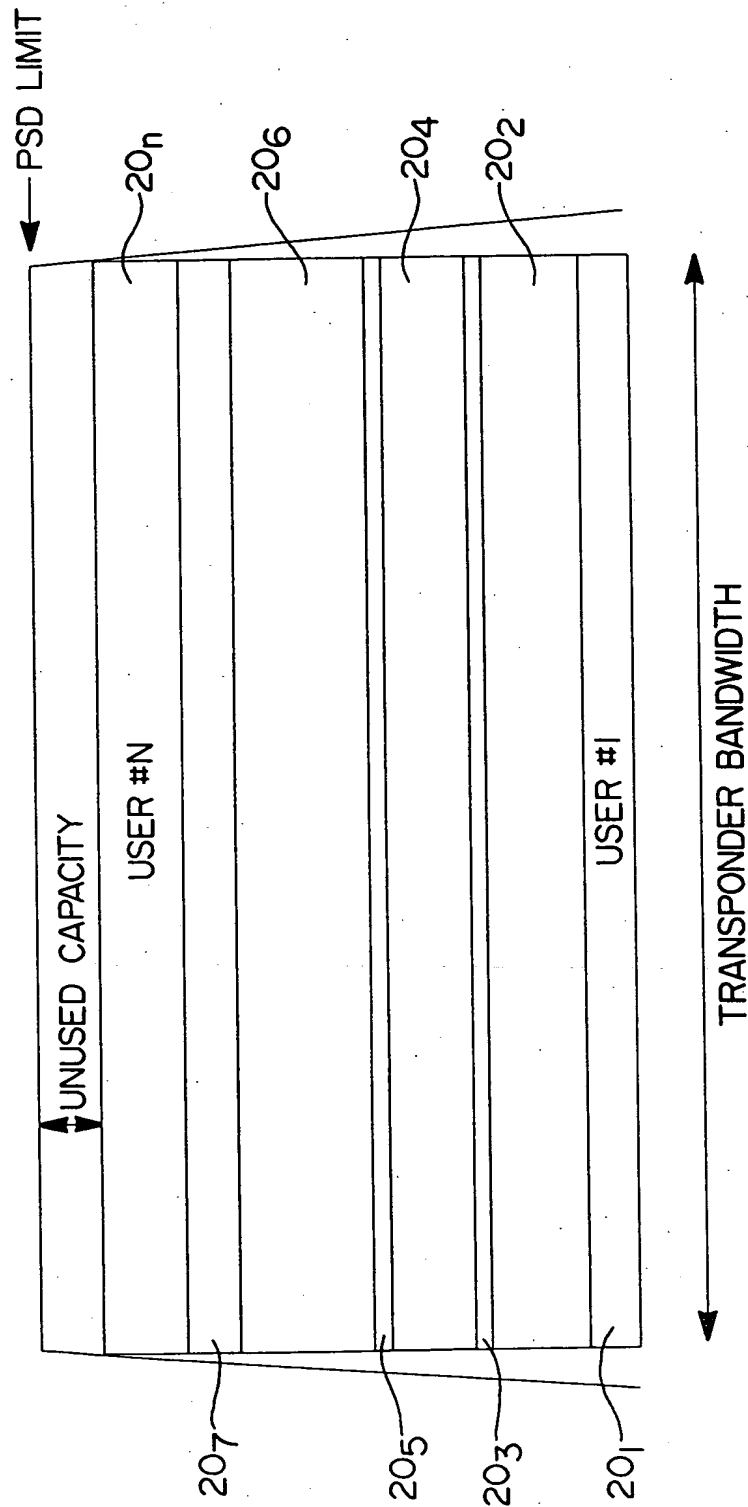
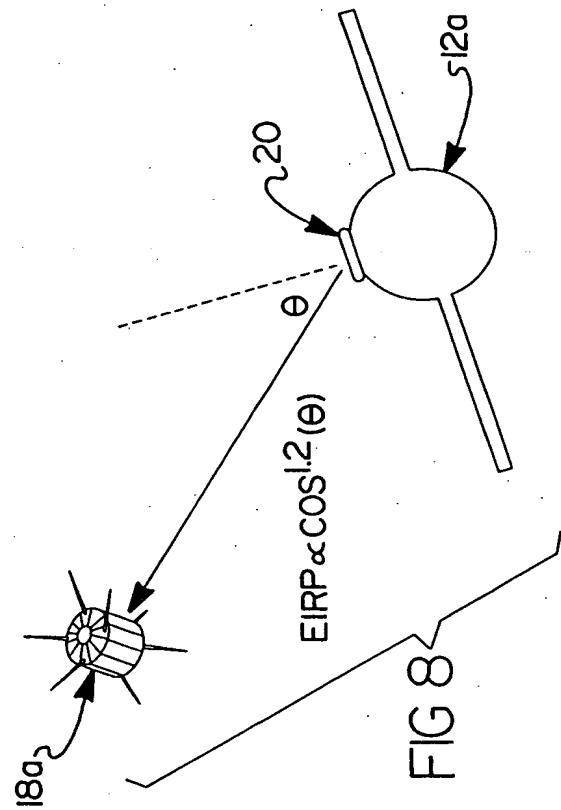
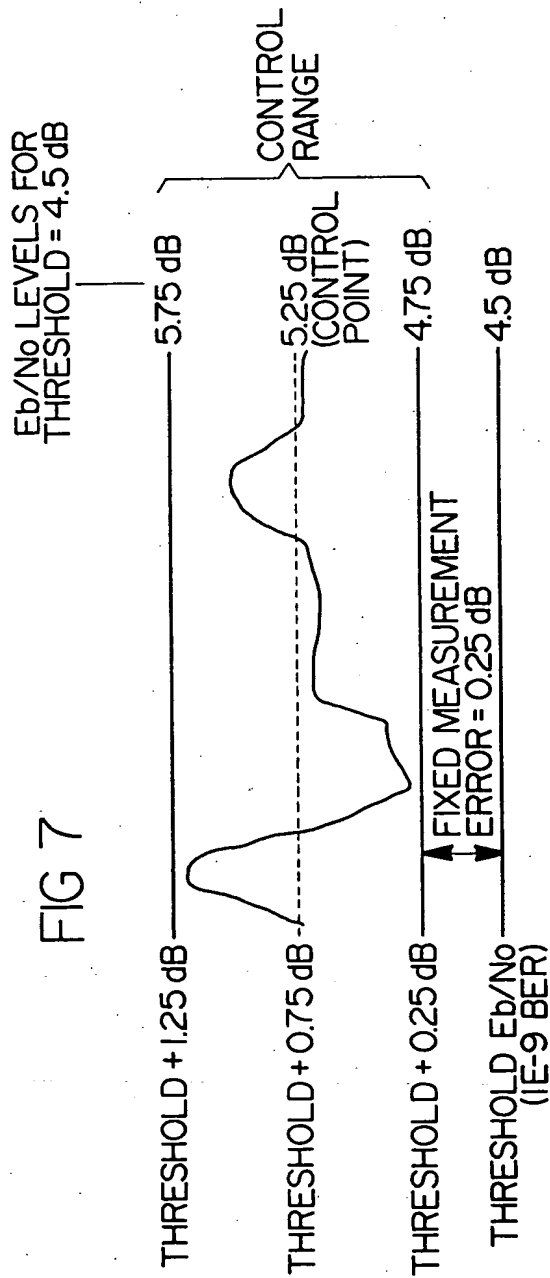


FIG 6

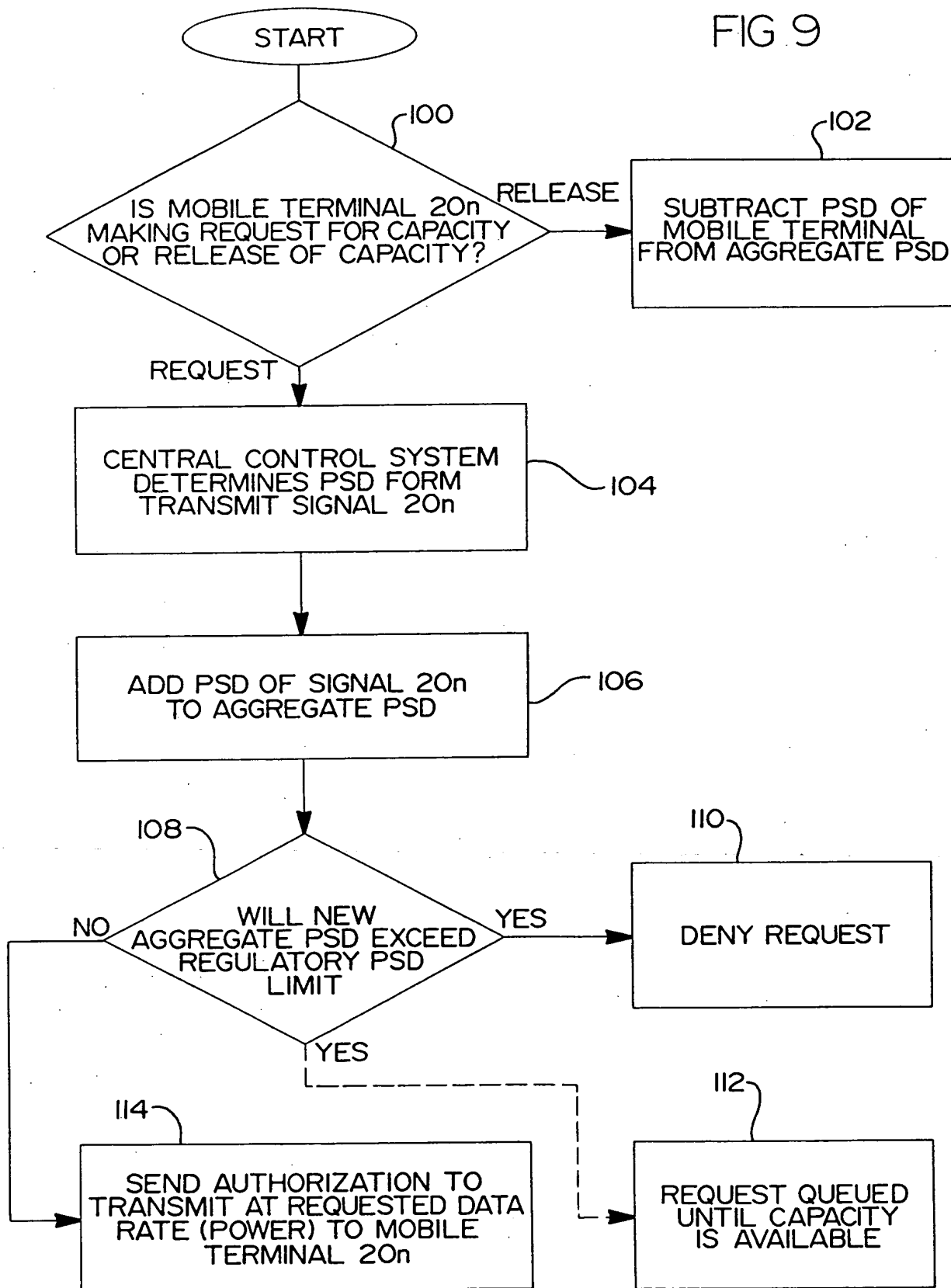


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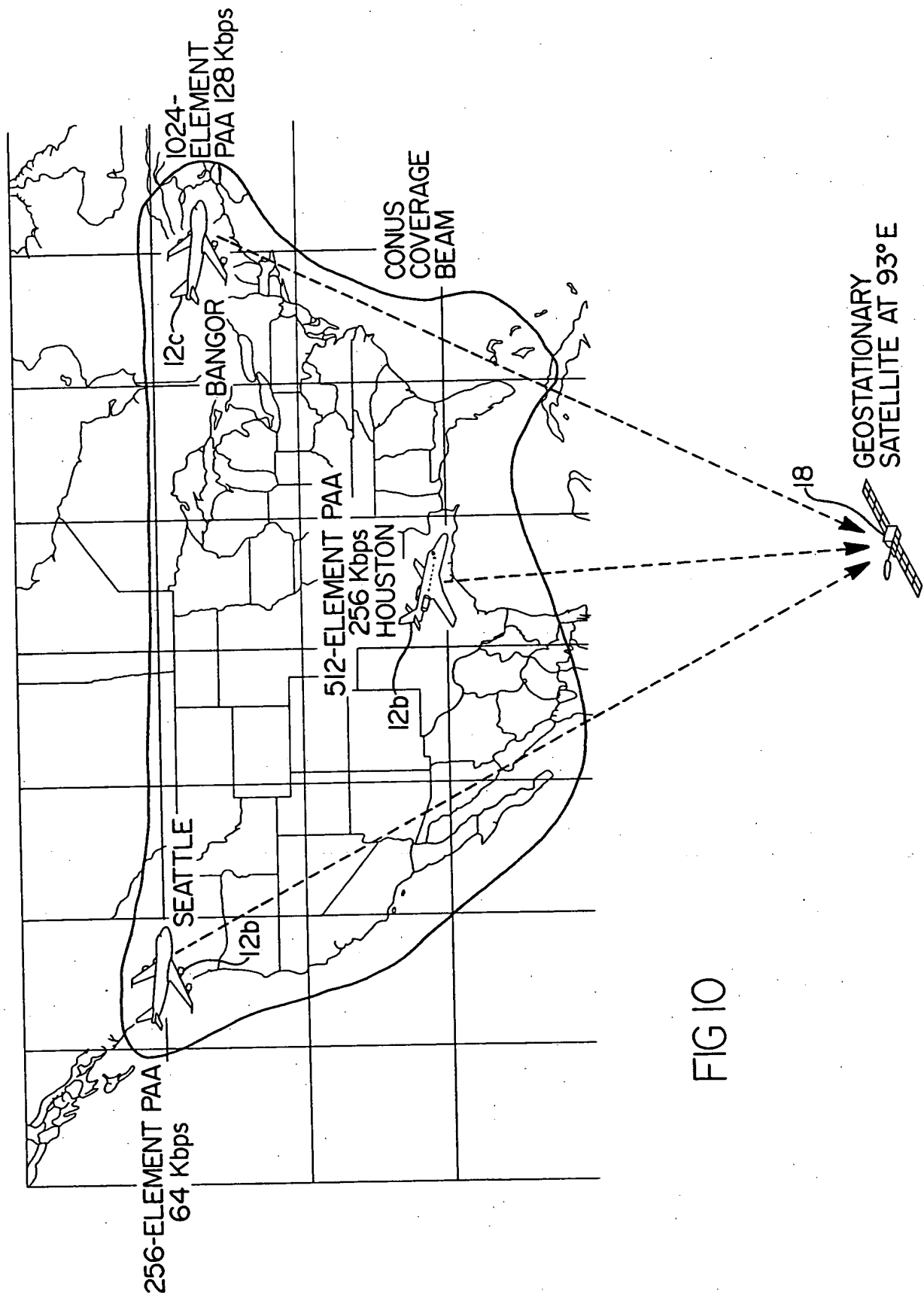


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FIG. 9



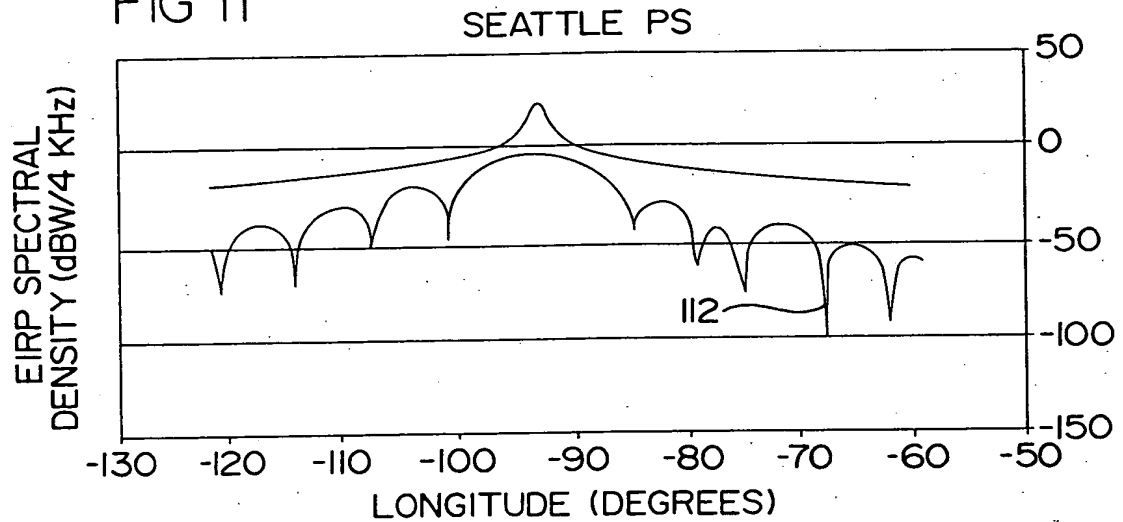




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256 ELEMENT  
PHASED ARRAY ANTENNA,  
34 dBW, 64 Kbps, SEATTLE

FIG 11



512 ELEMENT  
PHASED ARRAY ANTENNA,  
39 dBW, 256 Kbps, HOUSTON

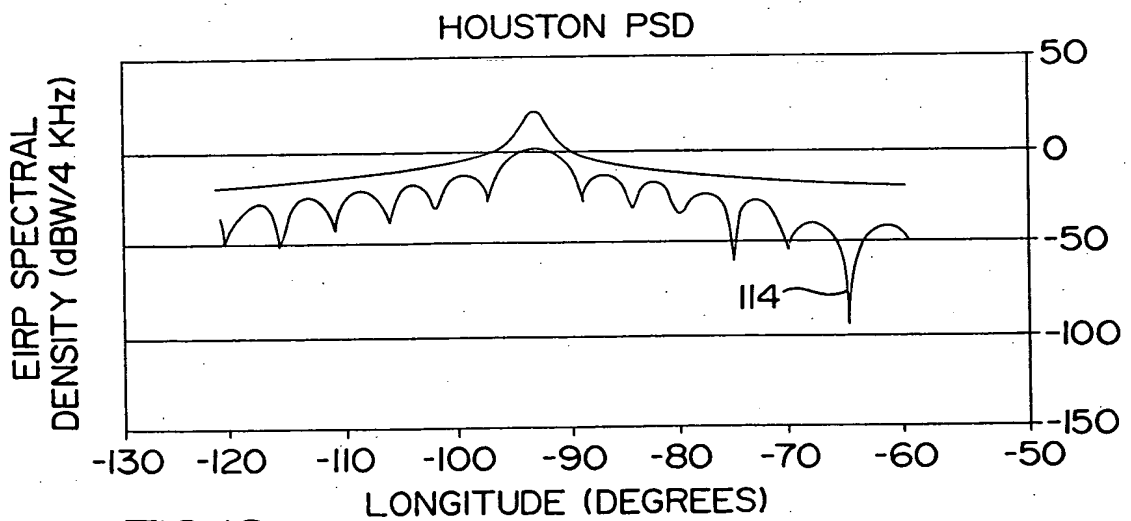
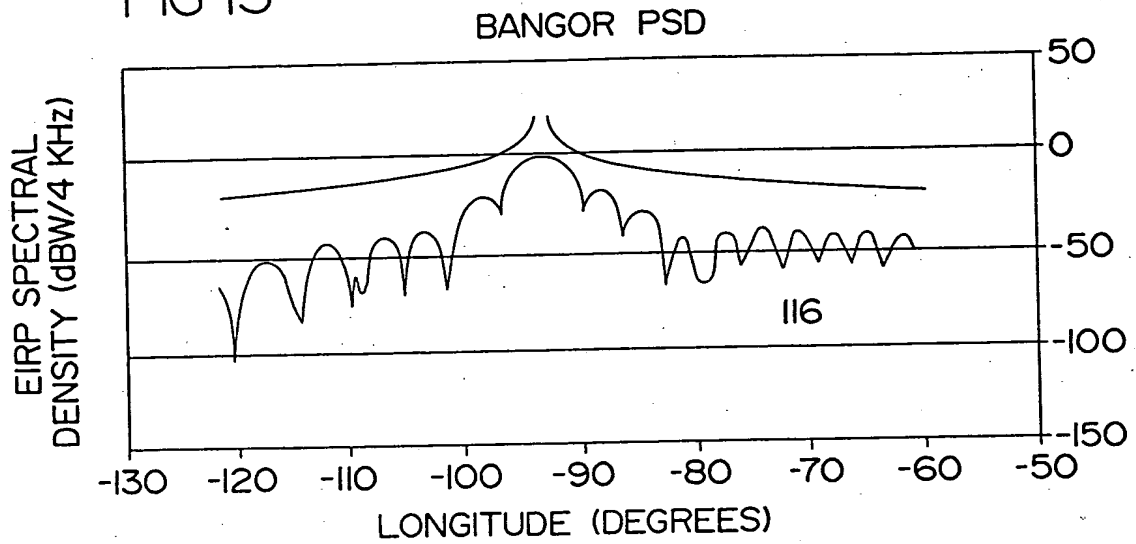


FIG 12

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1024 ELEMENT  
PHASED ARRAY ANTENNA,  
37 dBW, 128 Kbps, BANGOR

FIG 13



AGGREGATE PSD  
FROM 3 DIFFERENT  
USER TERMINALS

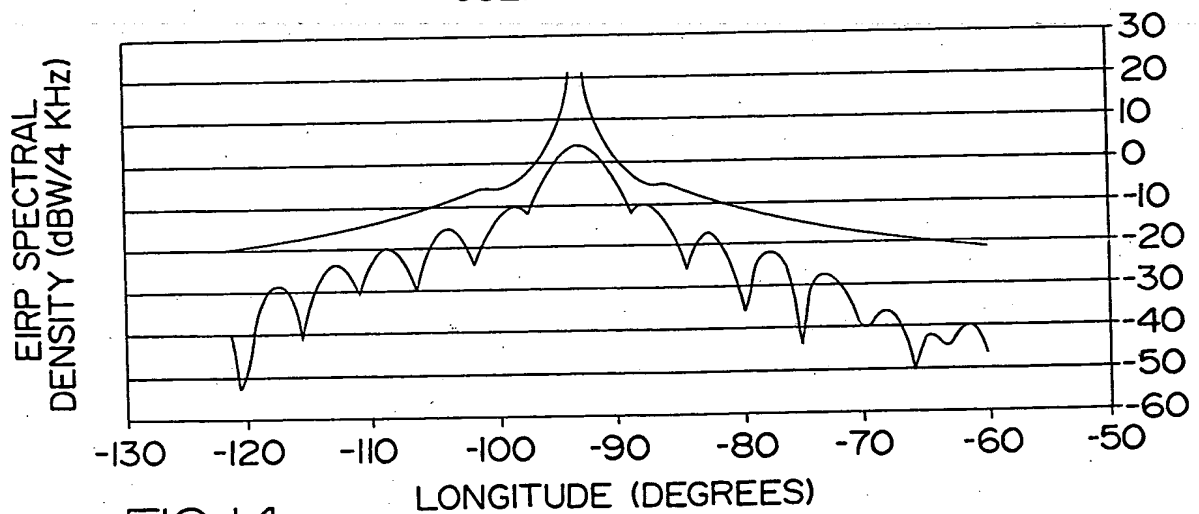


FIG 14

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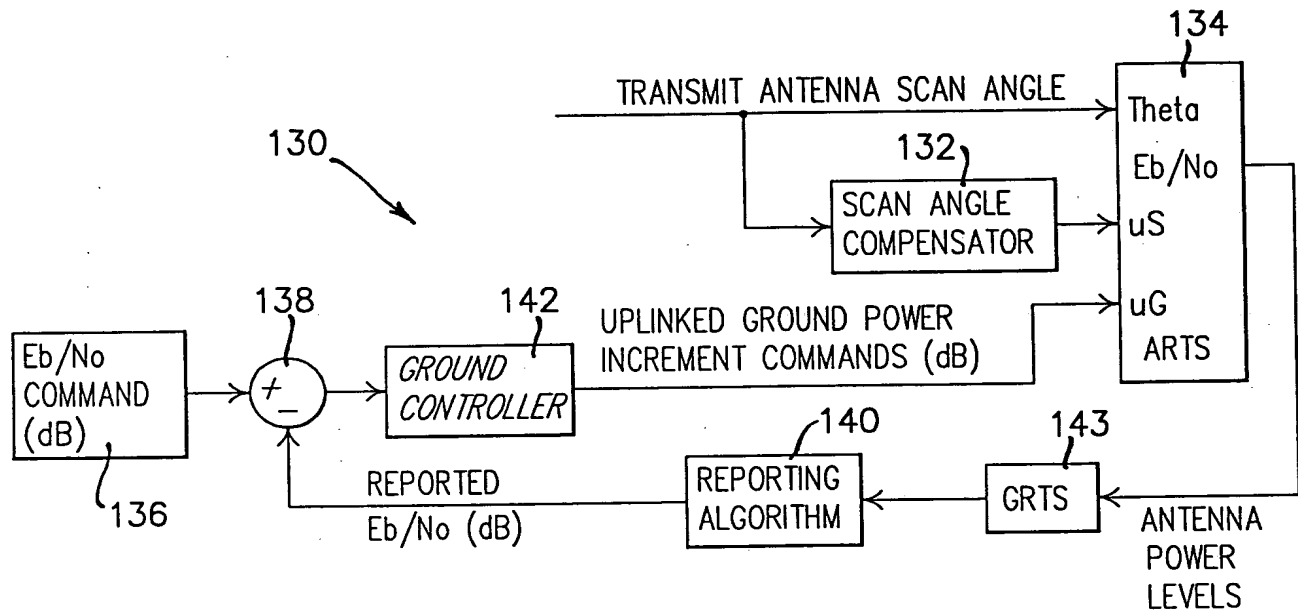


FIG 15

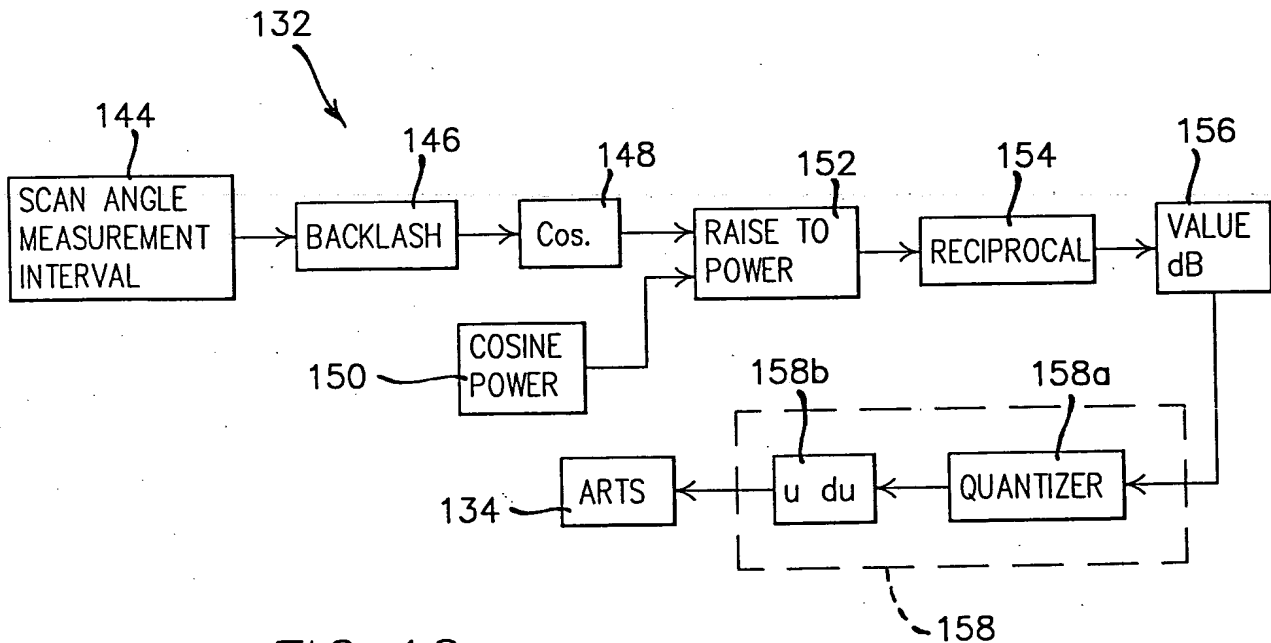


FIG 16

FIG 17

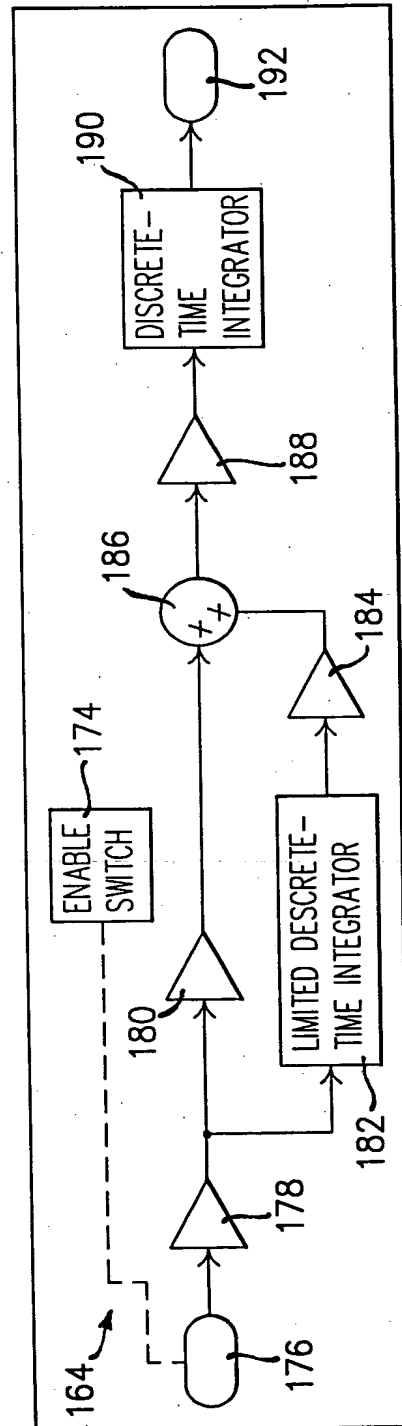
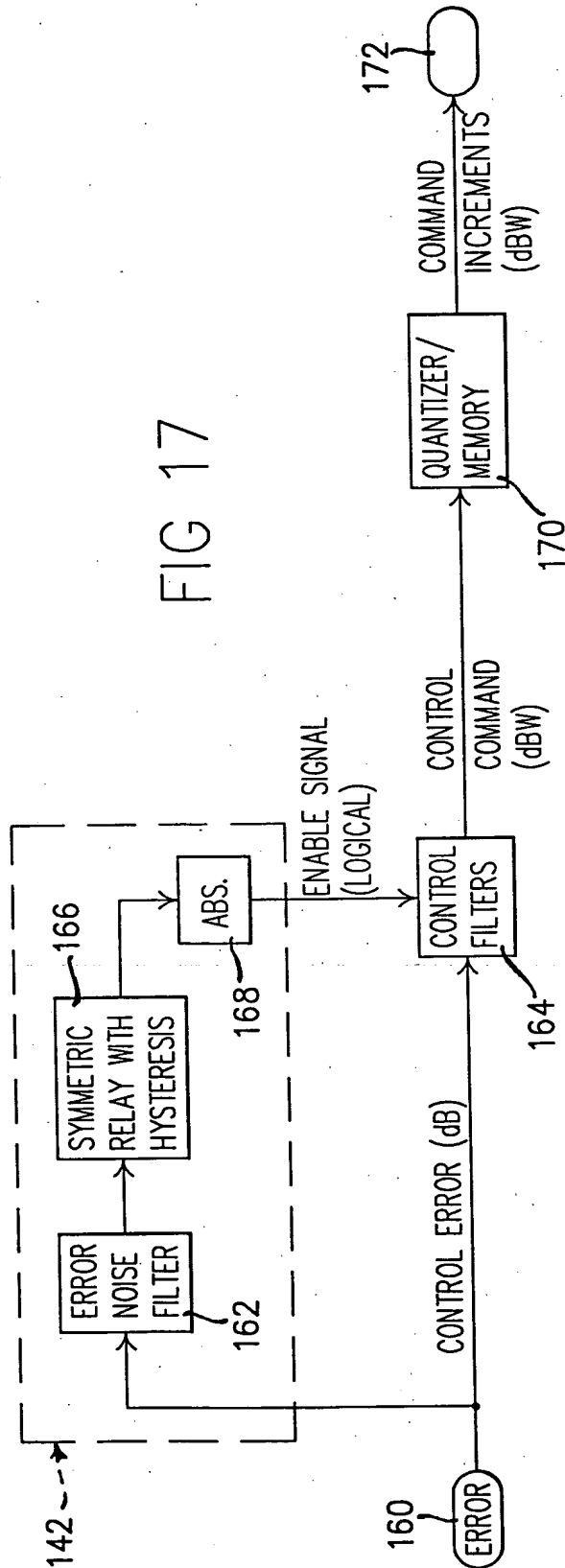


FIG 18